

# ***IRON AGE***

## Sprayers Make the Crop Safe

Better Safe than Sorry



Bateman M'f'g Co.

Grenloch, New Jersey, U. S. A.

J Klein



## Two Object Lessons

**H**OW would this field look if he hadn't sprayed part of it? How much better if all had been sprayed?



**F**ROM three rows together of the same length. First and third piles sprayed, 33.7-33.6 bushels, middle pile not sprayed, 22.2 bushels. No room for doubt. It pays to spray.





# Why Spray



**T**HE answer is "to save your crop and increase its value." For every acre of potatoes, for instance, that you may put in, you plow, harrow, plant and cultivate. If you are a modern, progressive farmer, you do a great deal more of each than was usual in the old days—you do this extra work because you have found that it pays and because, with improved machinery, it is not difficult to get better results.

Is it possible that any man will deliberately risk throwing away all or part of this work and his seed without an effort to protect his crop? You protect your buildings against fire and yourself against death or accident or sickness, do you not?

When blight comes, it will be too late to spray—blight cannot be cured—an ounce of prevention is worth a pound of cure. So, in this case, it will be wise for the man to spray. This is all the more true because spraying not only protects but increases the value of the crop more than enough to pay for the extra labor and spraying materials. The increase will pay for the machine many times over.

When the bugs begin to come, you cannot take time to go over the field in the old way—the sprayer saves time and money, and does a more thorough job.

Ask for "IRON AGE" Catalog  
giving full description of  
a full line of crop protectors.

BATEMAN MFG. CO.

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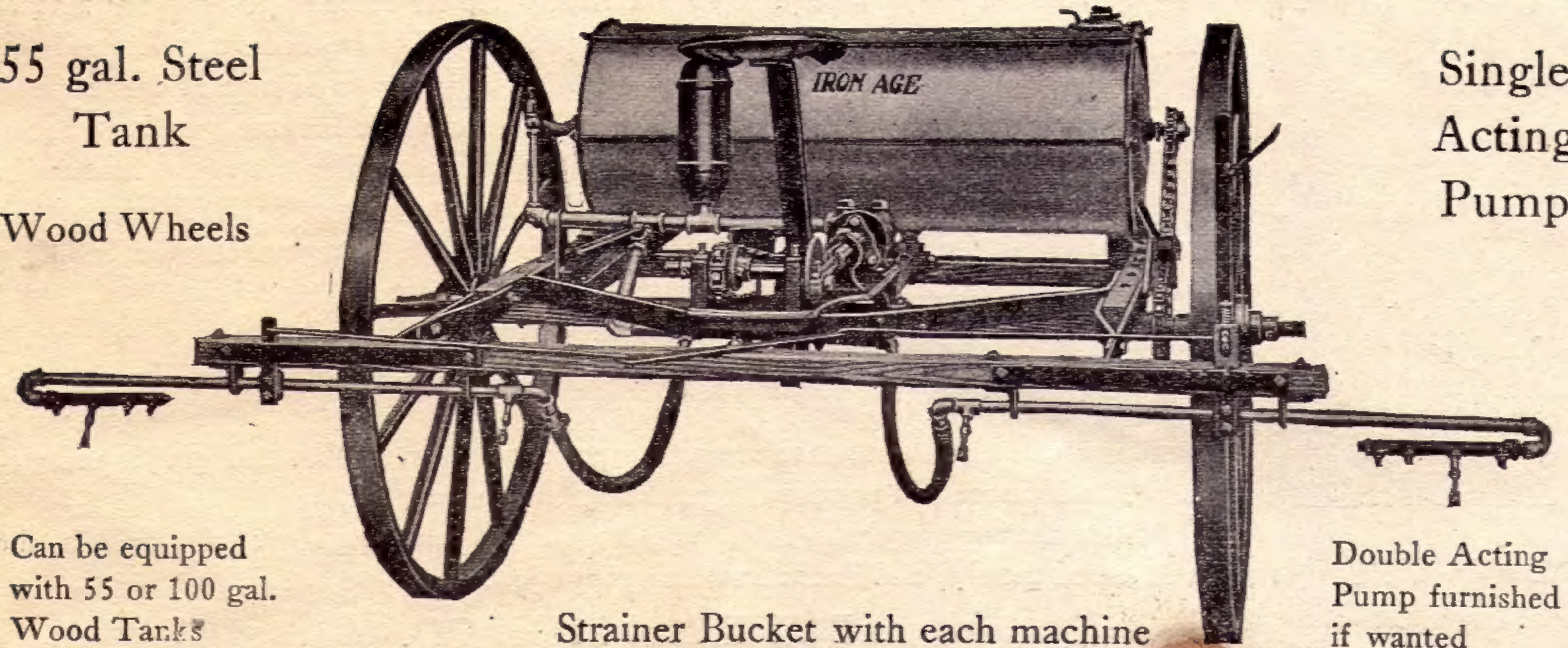


# ***IRON AGE*** Four-Row Sprayer

55 gal. Steel  
Tank

Wood Wheels

Single  
Acting  
Pump



Can be equipped  
with 55 or 100 gal.  
Wood Tanks

Strainer Bucket with each machine

Double Acting  
Pump furnished  
if wanted



Some of the things

## ***IRON AGE***

# Four, Six and Seven Row Sprayers

Can be used for

Spraying potatoes to prevent blight and at the same time increase the crop.

Spraying potatoes to kill the bugs—easily, quickly and thoroughly done.

Do you raise tomatoes and find it difficult to get the spray on them just right? "Iron Age" has the proper attachment. Ask us about it.

Do you grow pickles? See Seven Row Sprayer on page 8.

How long does your canteloupe picking season last? Use of "Iron Age" Sprayers has been known to lengthen it by three times.

Do you grow strawberries without spraying? Try the Sprayer and get better fruit, better prices, more healthy plants for the new bedding.

Get after the wild mustard and weeds with the Sprayer.

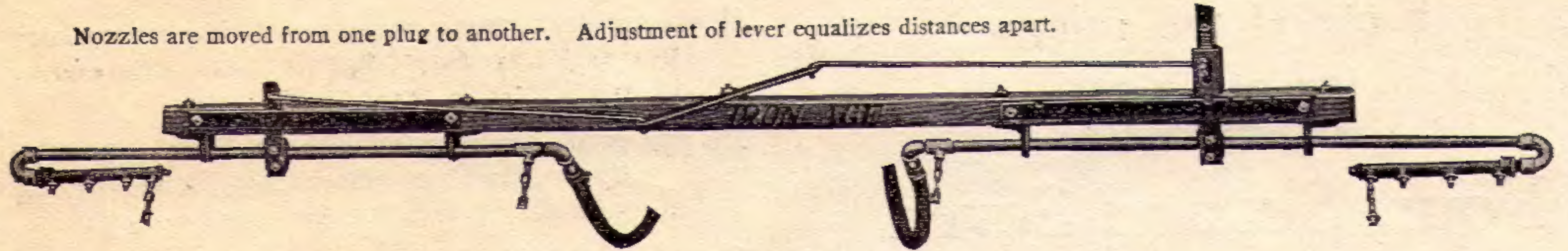
Every orchard needs spraying for protection against San Jose scale and other pests. The orchard attachment on the "Iron Age" Sprayer will do the work at slight additional expense and in the easiest way.

You can also use this attachment for spraying whitewash in your chicken house or other farm buildings.

These are not problems—most of them have been solved these many years and are practical everyday uses for the machine in season. Are you going to let disease and insects get the better of you or fight them in a sensible way?



Nozzles are moved from one plug to another. Adjustment of lever equalizes distances apart.



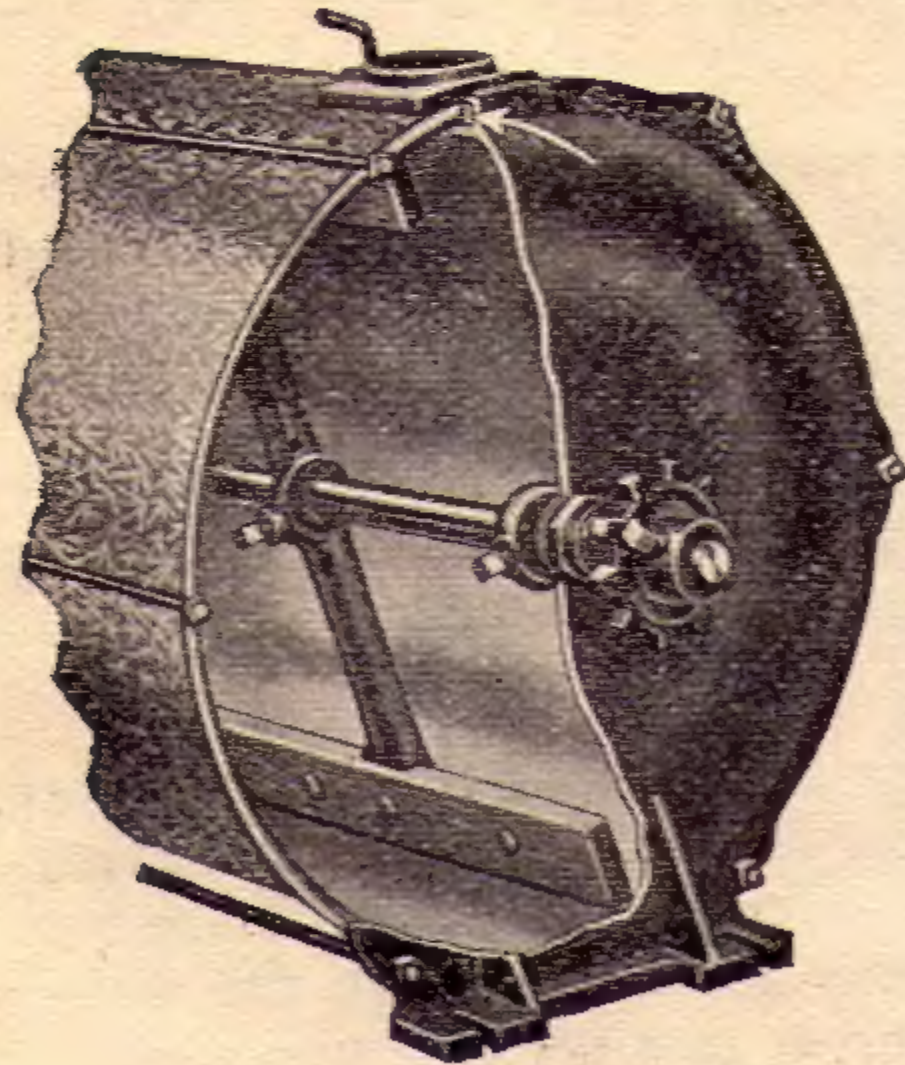
On  
***IRON AGE***  
Sprayers

Adjustments are right  
for rows.

Solutions properly  
mixed.

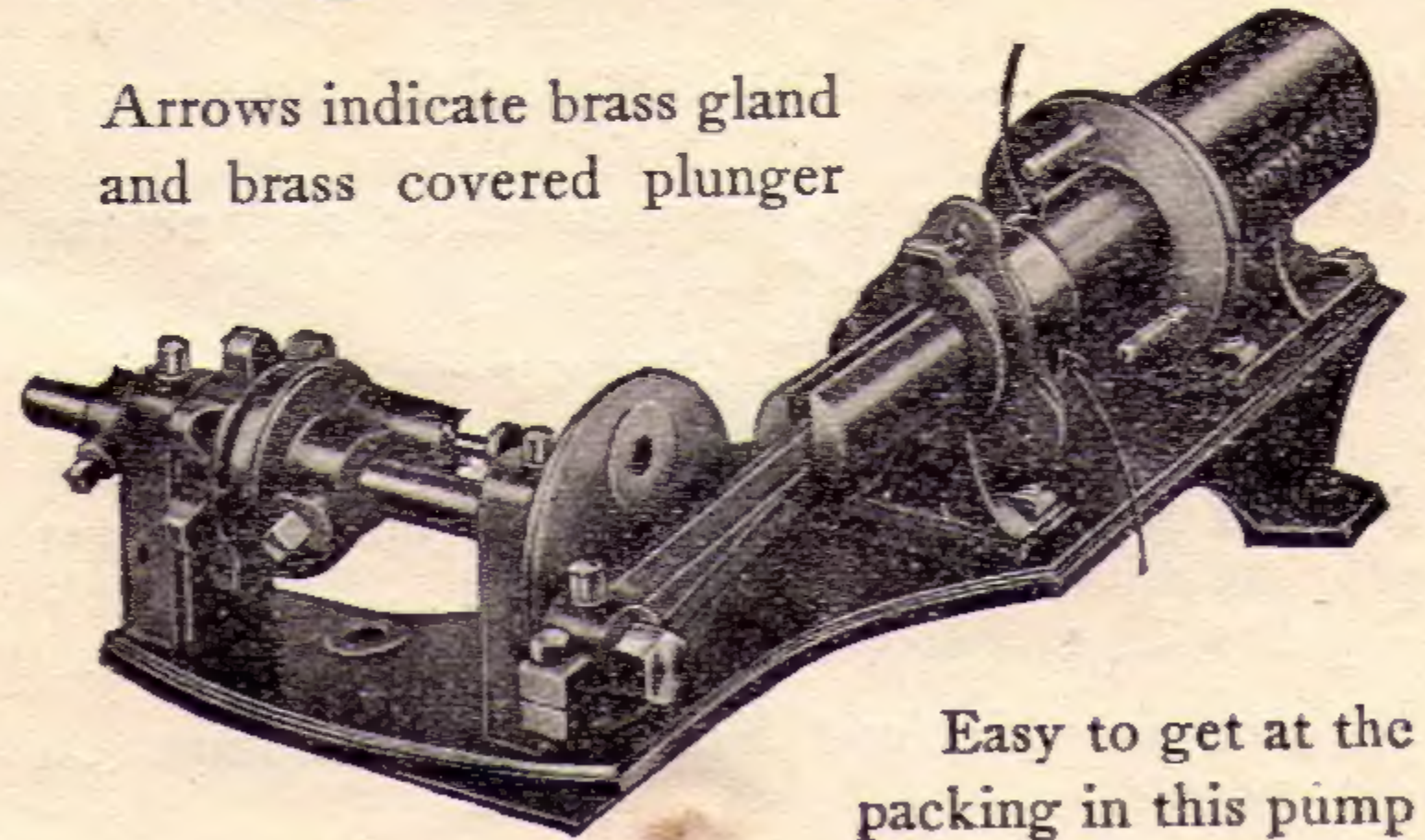
Pumps give high,  
steady pressure.

No corrosion.



Single Acting Pump

Arrows indicate brass gland  
and brass covered plunger



Easy to get at the  
packing in this pump



## What is required of a first-class Sprayer

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First, it must be adjustable to any width rows in reason.

Second, it must provide for thorough mixing of solutions while the sprayer is in operation.

Third, there must be a first class pump, giving enough pressure to deliver the spray properly.

## On *IRON AGE* Sprayers

**T**HE nozzles are adjustable for 28, 30, 33 and 36 inch rows—a special spray bar is furnished for 42 inch rows. The wheels can be adjusted for any width rows from 28 to 36 inches and special axle will be provided for adjustment to 42 inches.

A double dasher, chain driven, wipes the inside of the tank, keeps the solution mixed and prevents deposit of sediment, while machine is in motion.

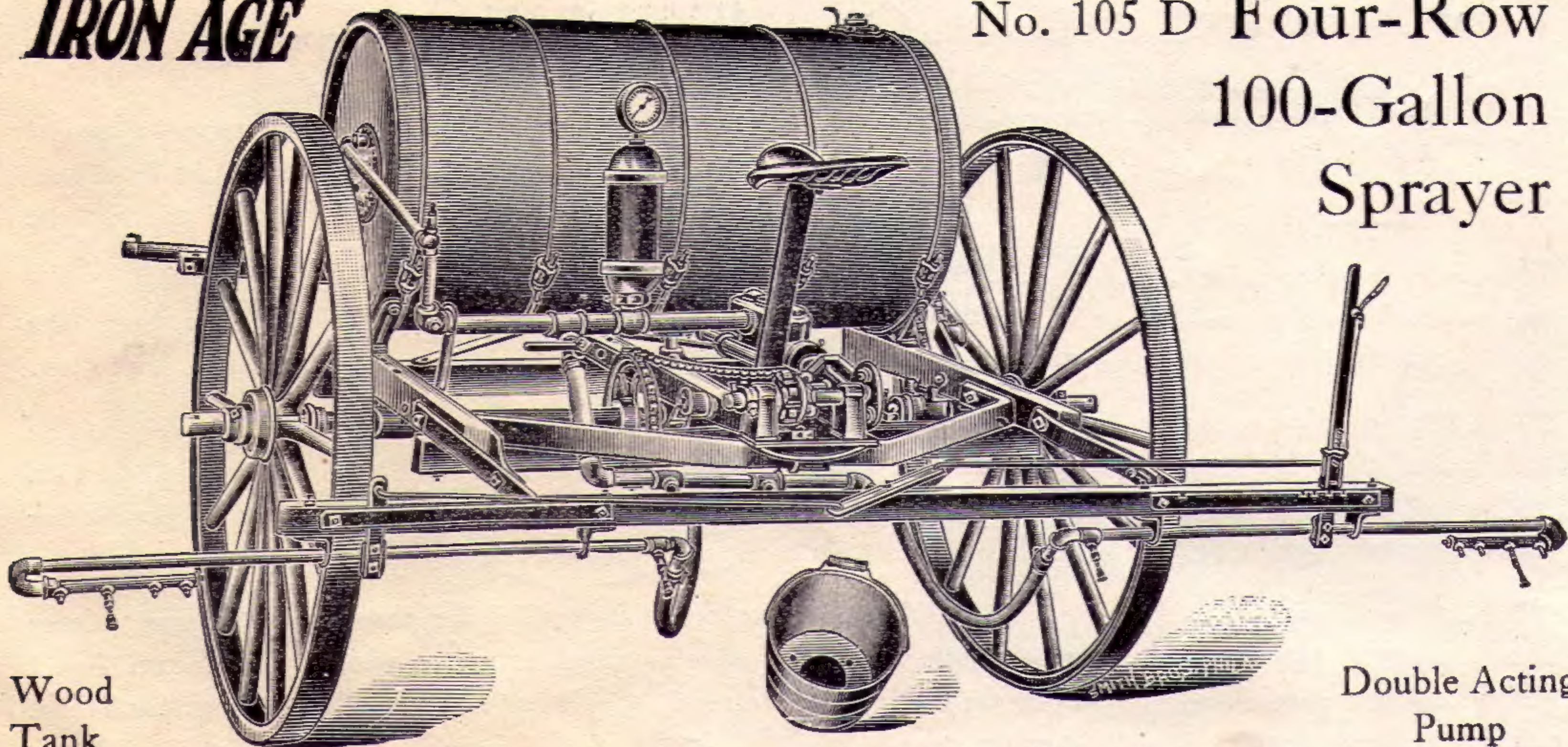
Either single or double acting pumps are furnished—they deliver fine spray at high, steady pressure—they operate with the least possible friction—solutions come in contact with brass parts only and there is no corrosion—a relief valve regulates the pressure and fineness of the spray.

In addition to these three things which are absolutely necessary, please note in the following pages some other points which make “Iron Age” Sprayers the most economical, convenient and adaptable, strongest and most durable.



**IRON AGE**

No. 105 D Four-Row  
100-Gallon  
Sprayer



Wood  
Tank

Double Acting  
Pump



# ***IRON AGE*** Sprayers

**A**RE properly constructed, of the best materials, including a high grade of pipe, fittings, hose, etc., fine Vermorel nozzles are used and all parts touched by solutions are galvanized, or made of brass or wood. This gives long life and the least trouble in the field.

## **Equipment**

They are furnished, as ordered, with single or double acting pumps, 55 gal. steel or wood, or 100 gal. wood tanks, wood or steel wheels, combination pole and thills, or plain thills or pole only.

## **Attachments**

The following are furnished as ordered:

**Middle Row** For spraying three rows of vine crops, such as cucumbers, tomatoes, etc.

**Tomato** Provided in three sections, to be used at different stages of growth.

**Wild Mustard** Gets rid of this nuisance effectually.

**Twin Nozzles** Used especially in spraying for blight. Consists of necessary parts to make two nozzles for each row.

**Orchard** For the potato grower who has an orchard of moderate size—saves buying two machines. Also for the fruit man who believes it is necessary to spray trees, grape vines, berry bushes, etc. Your fruit is often the salvation of the season's business and should be taken care of systematically.

**Nozzle Strainer** Keeps particles of dirt from stopping the flow through the nozzles. Often pays for itself in one spraying.

**Six Row and Wind Shift** For spraying six rows at once. Gets the spray on the right rows, no matter which way the wind is blowing.



# ***IRON AGE*** Combined No. 108 D

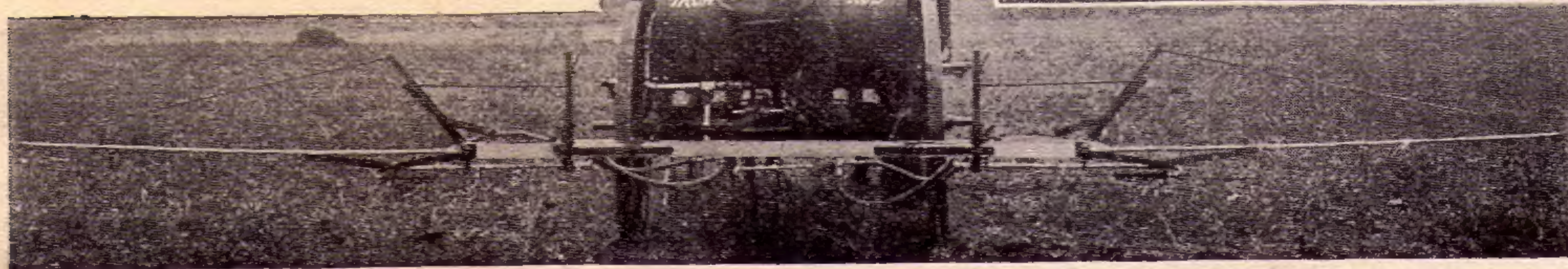
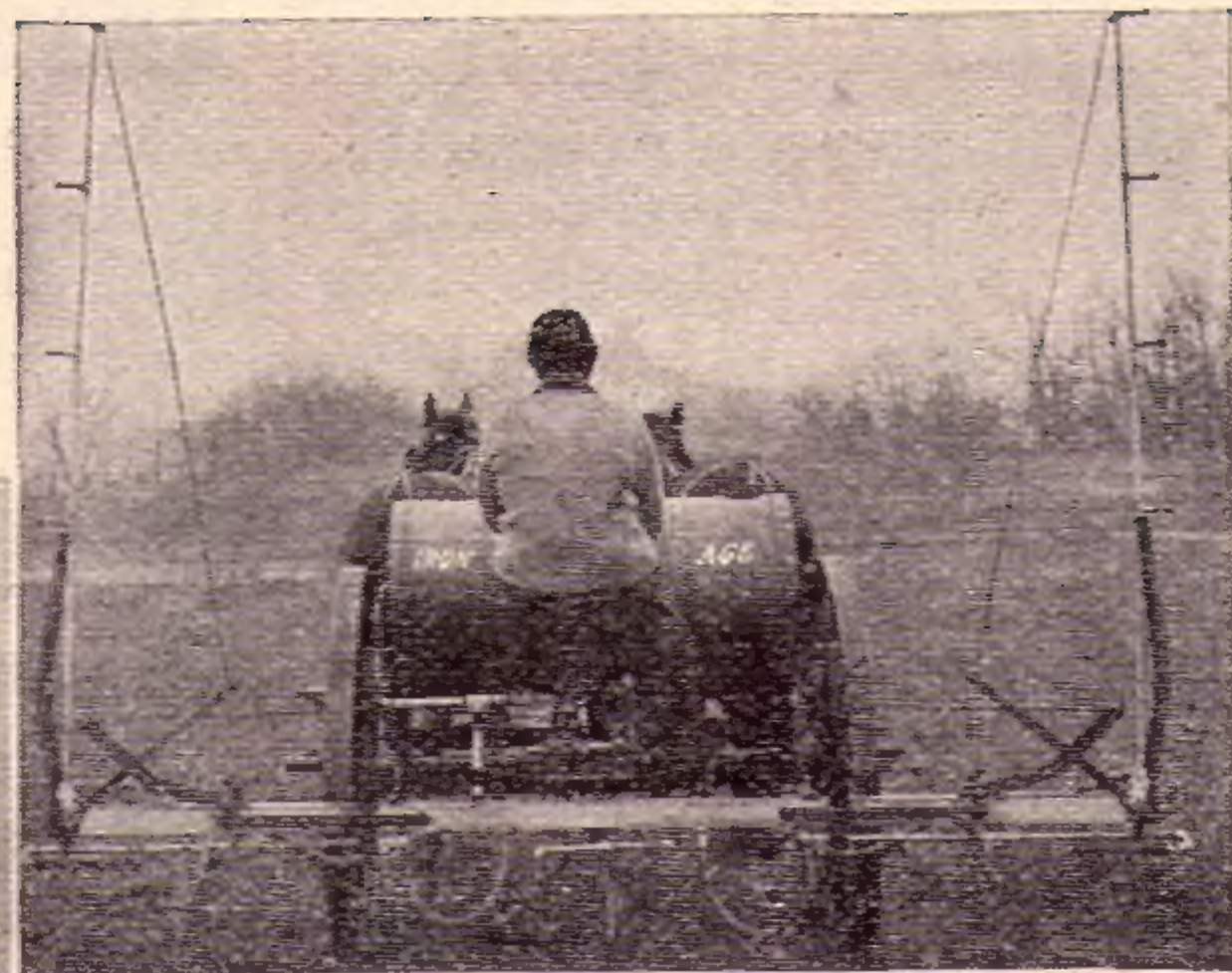
## Four Row Potato and Seven Row Pickle Sprayer

Sprays potato rows 28 to 36 in. apart.

For pickles, it completely covers 24 to 26 feet  
or seven rows, 4 feet apart.

Easily folded. Readily changed from one  
form to the other.

A practical machine for row crops planted 4  
feet apart, such as canteloupe, tomatoes,  
etc., and for weeds.





This is the old way.



## The new way is to use an **IRON AGE** Sprayer

**I**T is very much quicker, more thorough, easier. One man says "can spray 20 acres in a day easy", also "if I were growing but 5 acres, would have the Sprayer, as it pays."

Another man writes "calculate that one third of the cost of the Sprayer was saved last season in its use on  $1\frac{1}{2}$  acres of potatoes."

Still another "earned about \$25.00 spraying for my neighbors. Have noticed fields looking green with big vines—in a few days would wither, droop and die—rot would begin and nothing could be done for them. Expect to spray the orchard in about half the usual time, with your Orchard Attachment."

And this one "The spray went on fine as a fog. My 13-year old boy did the work on seven acres in less than two hours and did it better than we could by hand. Work and time are nothing as compared with the old way."

Don't these things speak for themselves? *Ask for catalog to-day.*





# ***IRON AGE***

Potato Planters,  
Cultivators, Sprayers  
and Diggers

Orchard and Beet  
Cultivators

Hay Rakes

Variety Machines

Asparagus Ridgers

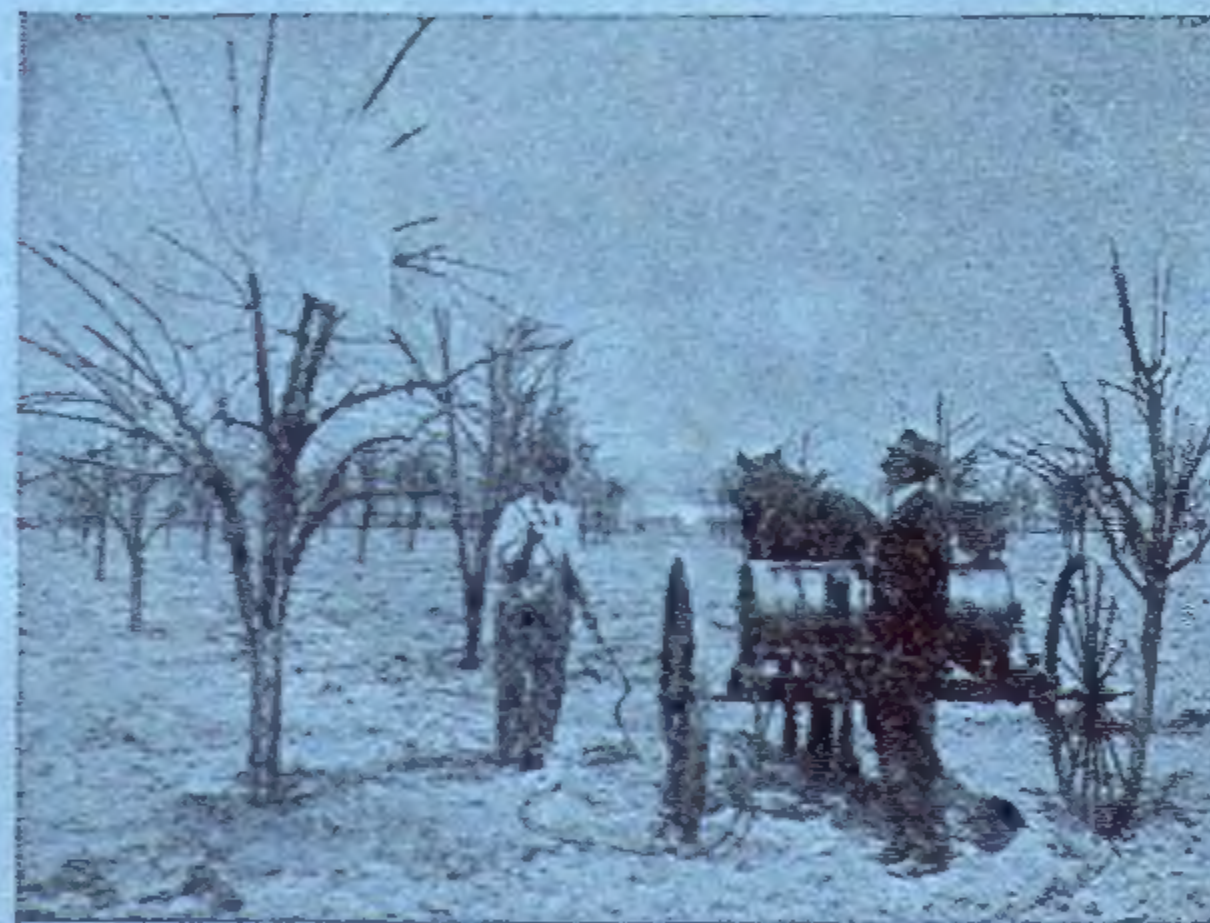
Barrel Trucks

Carts

Leaf Racks

Small Garden Tools, Etc.

Wheel Hoes      Seeders  
Fertilizer Drills  
Horse Hoes



An economical way to take care of  
the orchard.

Owned and Scanned by J Klein